

**Q.P. CODE: 114016**

**Reg. No: .....**

**First Year B.Sc Perfusion Technology Degree Supplementary  
Examinations July 2025**

**Pathology  
(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks:80**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x10=20)**

1. Enumerate the various anticoagulants used in hematology. Discuss the uses, advantages and disadvantages of any one of them. (4+2+2+2)
2. What is Decalcification. Describe the methods. How will you find out the end point of decalcification (2+4+4)

**Short notes:**

**(6x5=30)**

3. Hematoxylin and Eosin staining
4. Packed Cell Volume
5. Cross matching
6. Examination of Sputum sample
7. Methods for detection of glucose in Urine
8. Grossing techniques in Histopathology

**Answer briefly:**

**(10x3=30)**

9. Disposal of Sharp items in Laboratory
10. SI units and conventional units used in Hospital Laboratory
11. Parts of a light microscope
12. Organized sediments in Urine
13. Methods of collection of blood sample
14. Collection and preservation of CSF
15. Sahli's haemoglobinometer
16. Laboratory safety guidelines
17. Maintenance of Records in Laboratory
18. Different types of Microtome

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